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Application No. 09/911,435

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) A method for the automatic configuration of dynamic database search forms comprising:

obtaining a database listing containing the uniform resource locators (URLS) for each one of a plurality of databases to be configured;

accessing each one of said plurality of databases;

capturing a web page from [[the]] each database of the plurality of databases associated with said URL;

locating data entry windows in said captured web page;

selecting a most probable data entry window of data entry windows for passing queries to said at least one database;

searching candidate responses for a next link indicating a next page for additional results from said at least one database in response to a query; and

writing an engine file describing the form layout and requirements based upon said candidate responses and said next link.

Application No. 09/911,435

2. (Original) The method of claim 1, wherein the step of accessing each one of said plurality of databases further comprises accessing a network and following a URL to a database on said network to be configured for automatic completion of search forms.

3. (Original) The method of claim 1, wherein the step of locating data entry windows in said captured web page further comprises;

saving information captured from the web page as a source version of the web page;

filtering said source version into additional listings of URLs and text portions;

examining said text portions for occurrences of a form label;

collecting each form tagged with the form label;

scoring each one of said forms to develop a numerical representation of a likelihood that any one form is a query input form;

selecting one of said forms based on said form having a higher numerical representation than any other of said forms;

storing an action string associated with said form, said action string comprising a URL having at least a domain portion, a program portion, and a query portion;

storing a get-post indicators associated with said database.

4. (Currently Amended) A method for the automatic configuration of dynamic database search forms comprising:

obtaining a database listing containing the uniform resource locators (URLs) for each one of a plurality of databases to be configured;

accessing each one of said plurality of databases;

capturing a web page from the database associated with said URL;

locating data entry windows in said captured web page;

Application No. 09/911,435

selecting a most probable data entry window of data entry windows for passing queries to said database;

searching candidate responses for a next link indicating a next page for additional results from said database in response to a query; and

writing an engine file describing the form layout and requirements based upon said candidate responses and said next link;

wherein the step of locating data entry windows and the step of selecting a most probable data entry window of data entry windows in said captured web page further comprises:

saving information captured from the web page as a source version of the web page;

filtering said source version into additional listings of URLs and text portions;

examining said text portions for occurrences of a form label;

collecting each form tagged with the form label;

scoring each one of said forms to develop a numerical representation of a likelihood that any one form is a query input form;

selecting one of said forms based on said form having a higher numerical representation than any other of said forms;

storing an action string associated with said form, said action string comprising a URL having at least a domain portion, a program portion, and a query portion;

storing a get-post indicator associated with said database;

wherein the step of scoring each one of said forms further comprises:

locating an action string associated with said data entry window;

obtaining a listing of bad action string;

comparing said action string with said listing of bad action strings and determining if a portion of said action string matches any bad action strings of said listing

Application No. 09/911,435

of bad action strings, setting said numerical representation to zero and terminating said step of scoring if a portion of said action string matches any of said bad action strings within a predefined window determined by a binding factor;

- setting a name matching metric;
- setting an undesirable link test metric;
- setting an undesirable value metric;
- setting a desirable link text metric;
- setting a null text metric;
- computing a said numerical representation.

5. (Original) The method of claim 4, wherein the step of setting said numerical representation further comprises using value of 0 for said binding factor associated with said bad action string metric.

6. (Previously Presented) The method of claim 4, wherein the step of setting a name matching metric further comprises:

- locating said data entry URL associated with the data entry window;
- locating a page URL associated with the web page;
- comparing a host name portion of said data entry URL with a host name portion of said page URL;
- setting a name matching metric to a presence predetermined value if said host name portion of said data entry URL matches said host name portion of said page URL;
- setting a name matching metric to an absence predetermined value if said host name portion of said data entry URL does not match said host name portion of said page URL.

Application No. 09/911,435

7. (Original) The method of claim 6, wherein said steps of setting a name matching metric further comprise:

using a value of 6 for said presence predetermined value associated with said name matching metric;

using a value of 0 for said absence predetermined value associated with said name matching metric.

8. (Original) The method of claim 4, wherein the step of setting an undesirable link text metric further comprises:

locating said action string associated with said data entry window;

obtaining a listing of undesirable link texts;

comparing said action string with said listing of undesirable link text and determining if a portion of said action string matches any undesirable link texts of said listing of undesirable link texts, setting said numerical representation to zero and terminating said step of scoring if a portion of said action string matches any of said undesirable link texts within a predefined window determined by a binding factor.

9. (Original) The method of claim 8, wherein said steps of setting an undesirable link metric further comprises using a value of 1 for said binding factor associated with said undesirable link text.

10. (Original) The method of claim 5, wherein the step of setting an undesirable value metric further comprises:

locating said action string associated with said data entry window;

obtaining a listing of undesirable values;

Application No. 09/911,435

comparing said action string with said listing of undesirable value and determining if a portion of said action string matches any undesirable values of said listing of undesirable values, setting an undesirable value metric to a presence predetermined value if a portion of said action string matches any of said undesirable values within a predefined window determined by a binding factor, and setting an undesirable value metric to an absence predetermined value if a portion of said action string does not match an undesirable value within a predefined window determined by a binding factor.

11. (Original) The method of claim 10, further comprising:

using a value of 0 for said presence predetermined value associated with said undesirable value metric;

using a value of 4 for said absence predetermined value associated with said undesirable value metric;

using a value of 0 for said binding factor associated with said undesirable value metric.

12. (Original) The method of claim 5, wherein the step of setting a desirable link text metric further comprises:

locating said action string associated with said data entry window;

obtaining a listing of desirable link texts;

comparing said action string with said listing of desirable link text and determining if a portion of said action string matches any desirable link texts of said listing of desirable link texts, setting an desirable link text metric to a presence predetermined value if a portion of said action string matches any of said desirable link texts within a predefined window determined by a binding factor, and setting an desirable link text metric to an absence predetermined value if a

Application No. 09/911,435

portion of said action string does not match an desirable link text within a predefined window determined by a binding factor.

13. (Original) The method of claim 12, further comprising:
  - using a value of 4 for said presence predetermined value associated with said desirable text metric;
  - using a value of 0 for said absence predetermined value associated with said desirable text metric;
  - using a value of 2 for said binding factor associated with said desirable text metric.
14. (Original) The method of claim 4, wherein the step of setting a null text metric further comprises:
  - locating said action string associated with said data entry window;
  - checking said action string for an absence of associated text;
  - setting a null text metric to a presence predetermined value if no text is associated with said form.
15. (Original) The method of claim 14, wherein said step of setting a null text metric further comprises using a value of 2 for said null text metric.
16. (Original) The method of claim 4, wherein said step of calculating said numerical representation further comprises adjusting said numerical representation by adding an integer value determined by the number of edit boxes on said web page.

Application No. 09/911,435

17. (Original) The method of claim 3, wherein the step of scoring each one of said forms further comprises:

- locating an action string associated with said data entry window;

- obtaining a listing of bad action strings;

- comparing said action string with said listing of bad action strings and determining if a portion of said action string matches any bad action string of said listing of bad action strings, setting said numerical representation to zero and terminating said step of scoring if said bad action string matches a portion of said action string within a predefined window determined by a binding factor;

- wherein the step of setting said numerical representation further comprises using value of 0 for said binding factor associated with said bad action string metric;

- locating a page URL associated with the web page;

- comparing a host name portion of said data entry URL with a host name portion of said page URL;

- setting a name matching metric to a presence predetermined value if said host name portion of said data entry URL matches said host name portion of said page URL;

- setting a name matching metric to an absence predetermined value if said host name portion of said data entry URL does not match said host name portion of said page URL;

- said steps of setting a name matching metric further comprises:

- using a value of 6 for said presence value associated with said name matching metric;

- using a value of 0 for said absence value associated with said name matching metric;

- obtaining a listing of undesirable link texts;



Application No. 09/911,435

comparing said action string with said listing of undesirable link text and determining if a portion of said action string matches any undesirable link texts of said listing of undesirable link texts, setting said numerical representation to zero and terminating said step of scoring if a portion of said action string matches any of said undesirable link texts within a predefined window determined by a binding factor;

using a value of 1 for said binding factor associated with said undesirable link text;

obtaining a listing of undesirable values;

comparing said action string with said listing of undesirable value and determining if a portion of said action string matches any undesirable values of said listing of undesirable values, setting an undesirable value metric to a presence predetermined value if a portion of said action string matches any of said undesirable values within a predefined window determined by a binding factor, and setting an undesirable value metric to an absence predetermined value if a portion of said action string does not match an undesirable value within a predefined window determined by a binding factor;

using a value of 0 for said presence predetermined value associated with said undesirable value metric;

using a value of 4 for said absence predetermined value associated with said undesirable value metric;

using a value of 0 for said binding factor associated with said undesirable value metric;

obtaining a listing of desirable link texts;

comparing said action string with said listing of desirable link text and determining if a portion of said action string matches any desirable link texts of said listing of desirable link texts, setting an desirable link text metric to a presence predetermined value if a portion of said action string matches any of said desirable link texts within a predefined window determined by a binding factor, and setting an desirable link text metric to an absence predetermined value if a

Application No. 09/911,435

portion of said action string does not match an desirable link text within a predefined window determined by a binding factor;

using a value of 4 for said presence predetermined value associated with said desirable text metric;

using a value of 0 for said absence predetermined value associated with said desirable text metric;

using a value of 2 for said binding factor associated with said desirable text metric;

checking said action string for an absence of associated text;

setting a null text metric to a presence predetermined value if no text is associated with said form;

using a value of 2 for said null text metric;

computing a numerical representation of the likelihood that said data entry is a correct data entry window for passing queries to said database; and

adjusting said numerical representation by adding an integer value determined by the number of edit boxes on said web page.

18. (Previously Presented) The method of claim 1, further comprising:

determining a location of each one of a plurality of results locations on a responsive web page where results from a query are posted;

determining a location of each one of a plurality of non-results items on a responsive page are posted.

19. (Currently Amended) A method for the automatic configuration of dynamic database search forms comprising:

Application No. 09/911,435

obtaining a database listing containing the uniform resource locators (URLs) for each one of a plurality of databases to be configured;

accessing each one of said plurality of databases;

capturing a web page from the database associated with said URL;

locating data entry windows in said captured web page;

selecting a most probable data entry window of data entry windows for passing queries to said database;

searching candidate responses for a next link indicating a next page for additional results from said database in response to a query; and

writing an engine file describing the form layout and requirements based upon said candidate responses and said next link;

determining a location of each one of a plurality of results or non result item locations on a responsive web page where results from a query are posted[[;]], comprising:

~~determining a location of each one of a plurality of non results items on a responsive page are posted;~~

selecting a plurality of validation queries;

submitting a first one of said plurality of validation queries to said database using said action string;

capturing a first responsive web page returned in response to said first one of said plurality of validation queries;

resubmitting said first one of said plurality of validation queries to said database using said action string;

capturing a second responsive web page returned in response to said second submission of said first one of said plurality of validation queries;

Application No. 09/911,435

comparing said first responsive web page with said second responsive web page, any differences between said first and second responsive web page, any differences between said first and second responsive web page are extraneous responses and are ignored, storing any duplicates between said first and second responsive web pages as candidate responses to said validation query;

storing said candidate responses;

submitting a second one of said plurality of validation queries to said database using said action string;

capturing a responsive web page returned in response to said second validation query;

repeating submission of additional validation queries and capture of additional responsive web pages until all validation queries have been submitted;

comparing said first responsive web page to each of said additional responsive web pages, ignoring any duplicates between said first responsive and additional responsive web pages as extraneous responses, storing any differences between said first responsive and said additional responsive web pages as candidate responses to said validation query;

comparing each one of said responsive web pages to all other said responsive web pages, ignoring any duplicates between said responsive web pages as extraneous responses, storing any differences between said responsive web pages as candidate responses to said validation query; and

searching candidate responses for a next link indicating a next page for additional results from said database in response to said query.

20. (Original) The method of claim 19, wherein said step of comparing said first responsive web page with said second responsive web page further comprises:

Application No. 09/911,435

comparing each URL in said first responsive web page with each URL in said second responsive web page;

capturing a location associated with every URL common between said first responsive web page and said second responsive web page as a potential location for results from a query;

capturing a location associated with every URL distinct between said first responsive web page and said second responsive web page as a potential location not associated with results from a query;

comparing each label associated with each URL in said first responsive web page with each label associated with each URL in said second responsive web page;

capturing a location, associated with every label associated with every URL, which is common between said first responsive web page and said second responsive web page as a potential location for results from a query;

capturing a location, associated with every label associated with every URL, which is distinct between said first responsive web page and said second responsive web page as a potential location not associated with results from a query.

21. (Original) The method of claim 19, wherein said step of comparing said first responsive web page with said additional responsive web page further comprises:

comparing each URL in said first responsive web page with each URL in said additional responsive web page;

capturing a location associated with every URL common between said first responsive web page and said additional responsive web page as a potential location for results from a query;

Application No. 09/911,435

capturing a location associated with every URL distinct between said first responsive web page and said additional responsive web page as a potential location not associated with results from a query;

comparing each label associated with each URL in said first responsive web page with each label associated with each URL in said additional responsive web page;

capturing a location, associated with every label associated with every URL, which is common between said first responsive web page and said additional responsive web page as a potential location for results from a query;

capturing a location, associated with every label associated with every URL, which is distinct between said first responsive web page and said additional responsive web page as a potential location not associated with results from a query.

22. (Original) The method of claim 19, wherein said step of comparing each one of said responsive web pages with all other said responsive web pages further comprises:

comparing each URL in each one of said responsive web pages with each URL in all other said responsive web pages;

capturing a location associated with every URL common between each one of said responsive web pages and all other said responsive web pages as a potential location for results from a query;

capturing a location associated with every URL distinct between each one of said responsive web pages and all other said responsive web pages as a potential location not associated with results from a query;

comparing each label associated with each URL in each one of said responsive web pages with each label associated with each URL in all other said responsive web pages;

Application No. 09/911,435

capturing a location, associated with every label associated with every URL, which is common between each one of said responsive web pages and all other said responsive web pages as a potential location for results from a query;

capturing a location, associated with every label associated with every URL, which is distinct between each one of said responsive web pages and all other said responsive web pages as a potential location not associated with results from a query.

23. (Original) The method of claim 19, further comprising:

comparing each URL in said first responsive web page with each URL in said second responsive web page;

capturing a location associated with every URL common between said first responsive web page and said second responsive web page as a potential location for results from a query;

capturing a location associated with every URL distinct between said first responsive web page and said second responsive web page as a potential location not associated with results from a query;

comparing each label associated with each URL in said first responsive web page with each label associated with each URL in said second responsive web page;

capturing a location, associated with every label associated with every URL, which is common between said first responsive web page and said second responsive web page as a potential location for results from a query;

capturing a location, associated with every label associated with every URL, which is distinct between said first responsive web page and said second responsive web page as a potential location not associated with results from a query;

comparing each URL in said first responsive web page with each URL in said additional responsive web page;

Application No. 09/911,435

capturing a location associated with every URL common between said first responsive web page and said additional responsive web page as a potential location for results from a query;

capturing a location associated with every URL distinct between said first responsive web page and said additional responsive web page as a potential located not associated with results from a query;

comparing each label associated with each URL in said first responsive web page with each label associated with each URL in said additional responsive web page;

capturing a location, associated with every label associated with every URL, which is common between said first responsive web page and said additional responsive web page as a potential location for results from a query;

capturing a location, associated with every label associated with every URL, which is distinct between said first responsive web page and said additional responsive web page as a potential location not associated with results from a query;

comparing each URL in each one of said responsive web pages with each URL in all other said responsive web pages;

capturing a location associated with every URL common between each one of said responsive web pages and all other responsive web pages as a potential location for results from a query;

capturing a location associated with every URL distinct between each one of said responsive web pages and all other said responsive web pages as a potential location not associated with results from a query;

comparing each label associated with each URL in each one of said responsive web pages with each label associated with each URL in all other said responsive web pages;



Application No. 09/911,435

capturing a location, associated with every label associated with every URL, which is common between each one of said responsive web pages and all other said responsive web pages as a potential location for results from a query;

capturing a location, associated with every label associated with every URL, which is distinct between each one of said responsive web pages and all other responsive web pages as a potential location not associated with results from a query.

24. (Original) The method of claim 19, wherein said step of selecting a plurality of validated queries further comprises:

- selecting the term "home" as a first one of said plurality of validation queries;
- selecting the term "copyright" as a second one of said plurality of validation queries;
- selecting the term "web" as a third one of said plurality of validation queries.

25. (Original) The method of claim 19, wherein said step of selecting a plurality of validation queries further comprises:

- selecting the term "home" as a first one of said plurality of validation queries;
- selecting the term "energy" as a second one of said plurality of validation queries;
- selecting the term "electricity" as a third one of said plurality of validation queries;

26. (Original) The method of claim 19, wherein said step of searching candidate responses for a next link further comprises:

obtaining a next term listing providing a plurality of labels commonly associated with data entry windows used for accessing additional results from a database associated with a user's query;

Application No. 09/911,435

comparing each label associated with each URL in said first responsive web page with each one of said plurality of labels in order provided in said next term listing;

selecting a data entry window as a next link if said label associated with said data entry window matches one of said plurality of labels provided by said next link listing within a predetermined window defined by a binding factor.

27. (Original) The method of claim 26, wherein said step of selecting a data entry window further comprises;

determining if a match has been made between said label associated with said data entry window and one of said plurality of labels provided by said next link listing;

comparing each label associated with each URL in a first one of said additional responsive web pages associated with a second one of said validation queries with each one of said plurality of labels in order provided in said next term listing in no match has been made;

selecting a data entry window as a next link if said label associated with said data entry window matches one of said plurality of labels provided by said next link listing within a predetermined window defined by a binding factor if no prior match has been made.

28. (Original) The method of claim 26, wherein said step of selecting a data entry window further comprises using a value of approximately 1.5 for said binding factor.

29. (Original) The method of claim 3, wherein the step of scoring each one of said forms further comprises:

locating an action string associated with said data entry window;

obtaining a listing of bad action string;

Application No. 09/911,435

comparing said action string with said listing of bad action strings and determining if a bad action string matches a portion of said action string;

setting said numerical representation to zero and terminating said step of scoring if said bad action string matches a portion of said action string within a predefined window determined by a binding factor;

using a value of 0 for said binding factor associated with said bad action string metric;

locating said data entry URL associated with the data entry window;

locating a page URL associated with the web page;

comparing a host name portion of said data entry URL with a host name portion of said page URL;

setting a name matching metric to a presence predetermined value if said host name portion of said data entry URL matches said host name portion of said page URL;

setting a name matching metric to an absence predetermined value if said host name portion of said data entry URL does not match said host name portion of said page URL;

using a value of 0 for said absence predetermined value associated with said name matching metric;

obtaining a listing of undesirable link texts;

comparing said action string with said listing of undesirable link text and determining if a portion of said action string matches any undesirable link tests of said listing of undesirable link texts; setting said numerical representation to zero and terminating said step of scoring if a portion of said action string matches any of said undesirable link tests within a predefined window determined by a binding factor;

using a value of 1 for said binding factor associated with said undesirable link text;

obtaining a listing of undesirable values;

Application No. 09/911,435

comparing said action string with said listing of undesirable value and determining if a portion of said action string matches any undesirable values of said listing of undesirable values, setting an undesirable value metric to a presence predetermined value if a portion of said action string matches any of said undesirable values within a predefined window determined by a binding factor, and setting an undesirable value metric to an absence predetermined value if a portion of said action string does not match an undesirable value within a predefined window determined by a binding factor;

using a value of 0 for said presence value associated with said undesirable value metric;

using a value of 0 for said binding factor associated with said undesirable value metric;

obtaining a listing of desirable link texts;

comparing said action string with said listing of desirable link text and determining if a portion of said action string matches any desirable link texts of said listing of desirable link texts, setting an desirable link text metric to a presence predetermined value if a portion of said action string matches any of said desirable link texts within a predefined window determined by a binding factor, and setting an desirable link text metric to an absence predetermined value if a portion of said action string does not match an desirable link text within a predefined window determined by a binding factor;

using a value of 0 for said absence predetermined value associated with said desirable text metric;

using a value of 2 for said binding factor associated with said desirable text metric;

checking said action string for an absence of associated text;

setting a null text metric to a presence predetermined value if no text is associated with said form;

using values for said presence predetermined value associated with said name matching metric, said absence predetermined value associated with said undesirable value metric, said

Application No. 09/911,435

presence predetermined value associated with said desirable text metric, and said null text metric such that a relative weighting of each of said metrics is approximately 3:2:2:1 respectively; and computing a said numerical representation.

30. (Previously Presented) A system for the automatic configuration of dynamic database search forms comprising:

a computer system having a storage means for facilitating the retention and recall of dynamic database content, said computer system having a communications means for performing bi-directional communications between said computer system and a network;

a query input means for receiving a plurality of queries from a user and transferring the plurality of queries to a plurality of databases;

an action string module interfaced to said computer system and configured to automatically determine a format associated with an entry page for a database from said entry page, said action string module being configured to automatically determine an appropriate data entry window on said entry page for use in passing a query to said database;

a results module interfaced to said computer system and said action string module, said results module locating areas on a responsive page returned by said database in response to said query where results are placed;

a next link module interface to each one of said computer system, action string module, and results module, said next link module locating a link associated with additional results provided by said database in response to said query;

an engine file module interfaced to said computer system and said modules for storing results produced by each module such that a general format query is translatable into a database specific format allowing a common query to be submitted to multiple databases each requiring different formats.

Application No. 09/911,435

31. (Original) The system of claim 30, further comprising a data comparison portion providing user specific information to each of said modules for facilitating analysis of said databases.

32. (Previously Presented) A system for the automatic configuration of dynamic database search forms comprising:

a computer system having a storage means for facilitating the retention and recall of dynamic database content, said computer system having a communications means for performing bi-directional communications between said computer system and a network;

a query input means for receiving a plurality of queries from a user and transferring the plurality of queries to a plurality of databases;

an action string module interfaced to said computer system for determining a format associated with an entry page for a database, said action string module being for determining an appropriate data entry window for use in passing a query to said database;

a results module interfaced to said computer system and said action string module, said results module locating areas on a responsive page returned by said database in response to said query where results are placed;

a next link module interface to each one of said computer system, action string module, and results module, said next link module locating a link associated with additional results provided by said database in response to said query;

an engine file module interfaced to said computer system and every other module for storing results produced by each module such that a general format query is translatable into a database specific format allowing a common query to be submitted to multiple databases each requiring different formats;

Application No. 09/911,435

a data comparison portion providing user specific information to each of said modules for facilitating analysis of said databases;

wherein said data comparison portion further comprises:

a database listing providing a URL for each of said databases to be analyzed;

a bad action string listing providing URLs for known databases which are not to be included in the analysis of said databases;

a desirable text link listing providing a plurality of desirable terms for use in analysis of said databases, a presence of any one of said plurality of desirable terms increasing a score associated with a data entry window on one of said responsive pages;

an undesirable text link listing providing a plurality of undesirable terms for use in analysis of said databases, a presence of any one of said plurality of undesirable terms setting a score associated with a data entry window on one of said responsive pages to 0 and ending analysis of said data entry window; and

an undesirable value listing providing a plurality of undesirable values for use in analysis of said databases, a presence of any one of said plurality of undesirable values decreases a score associated with a data entry window on one of said responsive pages.

33. (Original) The system of claim 31, wherein said data comparison portion further comprises:

a next link listing providing said next link module with a plurality of candidate terms for facilitating selection of a URL associated with a link to additional responses provided by said database in response to said query.

Application No. 09/911,435

34. (Original) A system for the automatic configuration of dynamic database search forms comprising:

a computer system having a storage means for facilitating the retention and recall of dynamic database content, said computer system having a communications means for performing bi-directional communications between said computer system and a network;

a query input means for receiving a plurality of queries from a user and transferring the plurality of queries to a plurality of databases;

an action string module interfaced to said computer system for determining a format associated with an entry page for a database, said action string module being for determining an appropriate data entry window for use in passing a query to said database;

a results module interfaced to said computer system and said action string module, said results module locating areas on a responsive page returned by said database in response to said query where results are placed;

a next link module interface to each one of said computer system, action string module, and results module, said next link module locating a link associated with additional results provided by said database in response to said query;

an engine file module interfaced to said computer system and every other module for storing results produced by each module such that a general format query is translatable into a database specific format allowing a common query to be submitted to multiple databases each requiring different formats;

a database listing providing a URL for each of said databases to be analyzed;

a bad action string listing providing URLs for known databases which are not to be included in the analysis of said databases;



Application No. 09/911,435

a desirable text link listing providing a plurality of desirable terms for use in analysis of said databases, a presence of any one of said plurality of desirable terms increases a score associated with a data entry window on one of said responsive pages;

an undesirable text link listing providing a plurality of undesirable terms for use in analysis of said databases, a presence of any one of said plurality of undesirable terms sets a score associated with a data entry window on one of said responsive pages to 0 and ending analysis of said data entry window; and

an undesirable value listing providing a plurality of undesirable values for use in analysis of said databases, a presence of any one of said plurality of undesirable values decreases a score associated with a data entry window on one of said responsive pages;

a next link listing providing said next link module with a plurality of candidate terms for facilitating selection of a URL associated with a link to additional responses provided by said database in response to said query.

35. (Currently Amended) A method for automatic configuration of dynamic search forms for a database, said method comprising:

accessing a web page from a web site providing access to ~~a database~~ the database;

capturing said web page;

locating at least one data entry window in said captured web page;

determining a most probable data entry window of said at least one data entry window for passing queries to said database;

storing an identification of said most probable data entry window in association with an identification of said database for use in submitting queries to said database.

Application No. 09/911,435

36. (Previously Presented) The method of claim 35, wherein said step of determining said most probable data entry window includes:

submitting at least one query to said database using said most probable data entry window; and

evaluating responses from said web site to said at least one query for determining a likelihood that said most probable data entry window a proper window for searching said database.

37. (Previously Presented) The method of claim 35, further comprising:

searching candidate responses from said web site for a link indicating a next page for additional results from said database in response to a query; and

storing an identification of said link the next page for additional results.

38. (Previously Presented) The method of claim 35, wherein said web page includes a plurality of data entry windows, and wherein said step of determining said most probable data entry window includes selecting a most probable data entry window, from said plurality of said data entry windows, for passing queries to said database.

39. (Previously Presented) The method of claim 35, wherein the step of capturing said web page further comprises:

saving information captured from the web page as a source version of the web page.

40. (Previously Presented) The method of claim 39, wherein the step of locating said at least one data entry window further comprises;

filtering said source version into listings of links and text portions;

Application No. 09/911,435

examining said text portions for occurrences of a form label; and  
collecting each form tagged with the form label.

41. (Previously Presented) The method of claim 40, wherein the step of determining said most probable data entry window further comprises;

scoring each one of said forms to develop a numerical representation of a likelihood that any one form is a query input form; and

selecting one of said forms based on said form having a higher numerical representation than any other of said forms.

42. (Previously Presented) The method of claim 41, wherein the step of storing an identification of said most probable data entry window further comprises;

storing an action string associated with said form, said action string comprising a representation of a uniform resource locator (URL) link having at least a domain portion, a program portion, and a query portion.

43. (Previously Presented) The method of claim 1, wherein the step of capturing the web page includes including storing substantially all portions of the web page.

44. (Previously Presented) The method of claim 1, wherein the step of capturing the web page includes storing text portions of the web page associated with any said data entry windows of the web page.